

ABSTRACT

A composite closure includes a band and an insert disk. A contact surface urges downwardly against the disk even while the band moves longitudinally relative to the disk or container. The closure has a fully tightened position in which the band's ring contacts the disk's annular channel, a loose position in which the ring is spaced apart from the annular channel, and an intermediate tightened position in which the ring is spaced apart from the disk and the contact surface urges against the curl. Another composite closure includes plural fins or gussets. The fins or gussets engage the peripheral curl of the insert disk to secure the band to the disk, which provides a resistance to initial unscrewing of the band. The disengagement torque required to disengage the curl from the fins may enable the closure to function as a one-piece closure.